

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102319\
Data File : PD055541.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2019 13:01
Operator : SG\AJ
Sample : K5482-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
C0AZ4MS

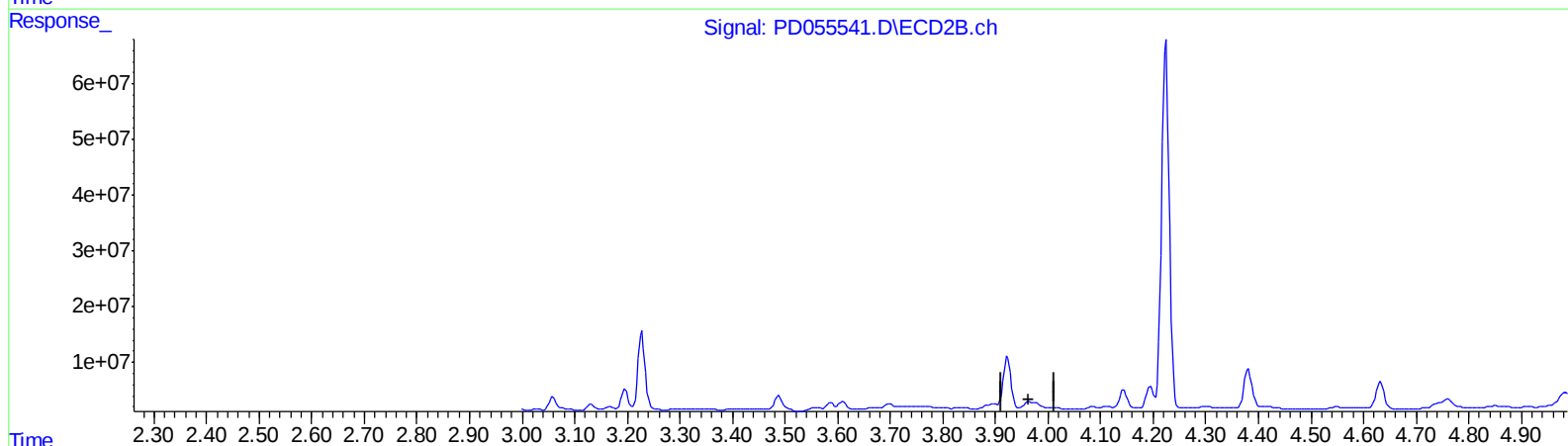
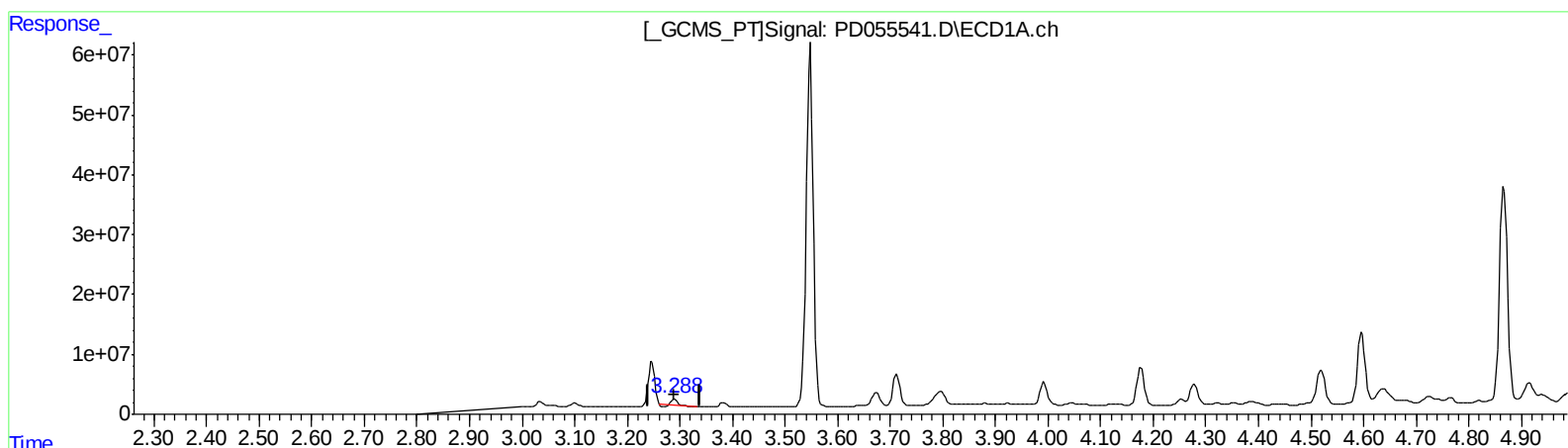
Manual Integrations
APPROVED

mohammad

10/25/2019 8:12:45 AM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 04:18:34 2019
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101819CLP.M
Quant Title : GC Extractables
QLast Update : Sat Oct 19 00:42:03 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



QEdit

(1) Tetrachloro-m-xylene (SA)

3.290min 6.416 ng/ml

response 5720797

(1) Tetrachloro-m-xylene #2 (SA)

3.964min -55.109 ng/ml

response -74195699

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102319\
Data File : PD055541.D
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Acq On : 23 Oct 2019 13:01
Operator : SG\AJ
Sample : K5482-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
C0AZ4MS

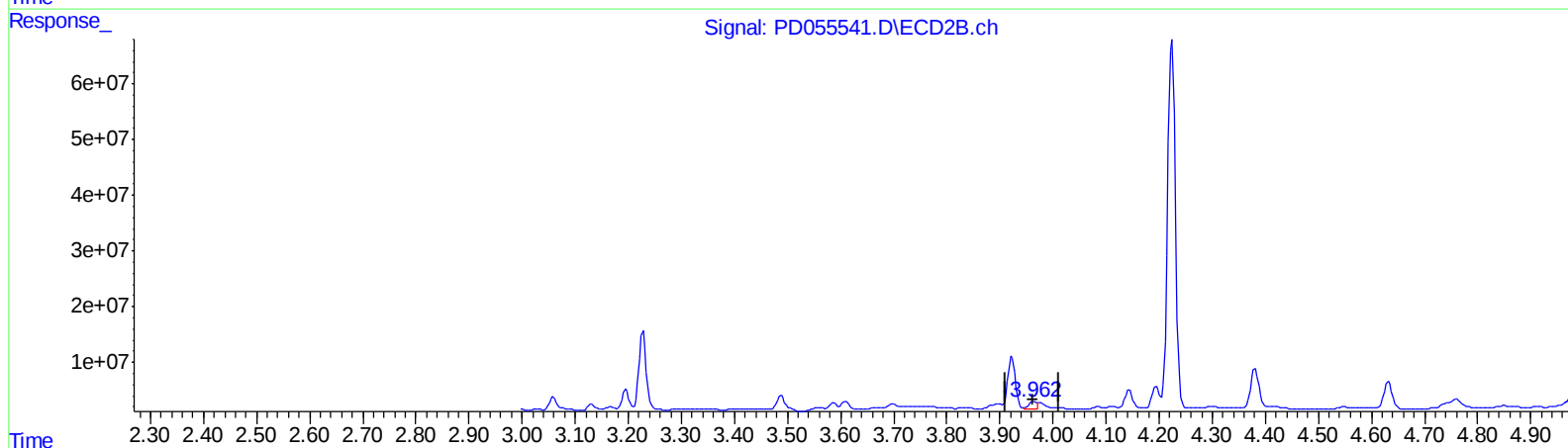
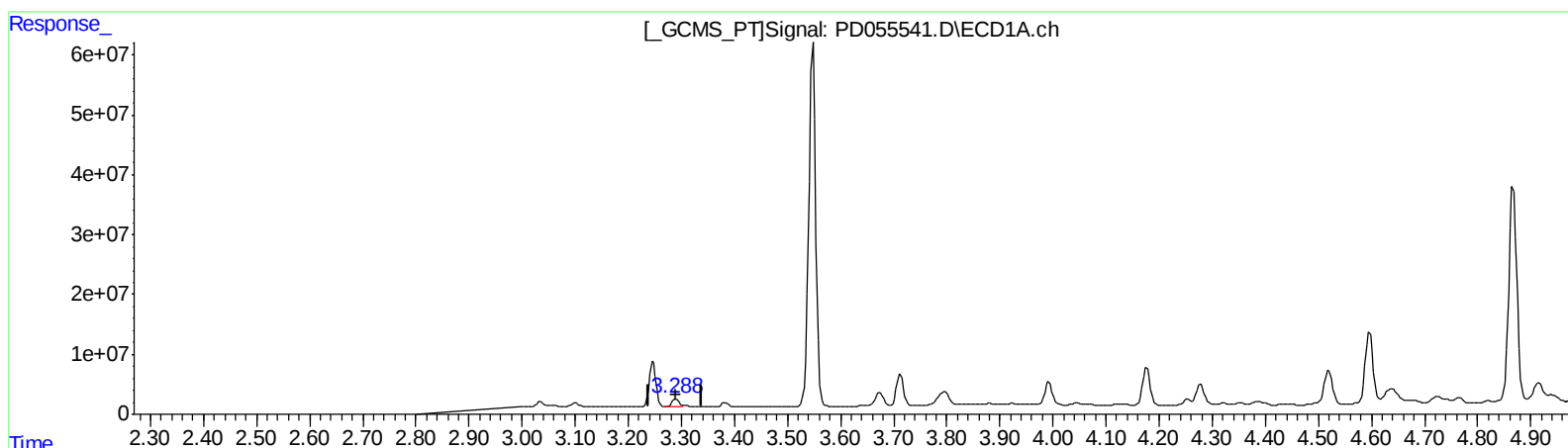
Manual Integrations
APPROVED

mohammad

10/25/2019 8:12:45 AM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



QEdit

(1) Tetrachloro-m-xylene (SA)

3.288min 13.611 ng/ml m

response 12135391

(1) Tetrachloro-m-xylene #2 (SA)

3.962min 10.743 ng/ml m

response 14463966

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102319\
Data File : PD055541.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2019 13:01
Operator : SG\AJ
Sample : K5482-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
C0AZ4MS

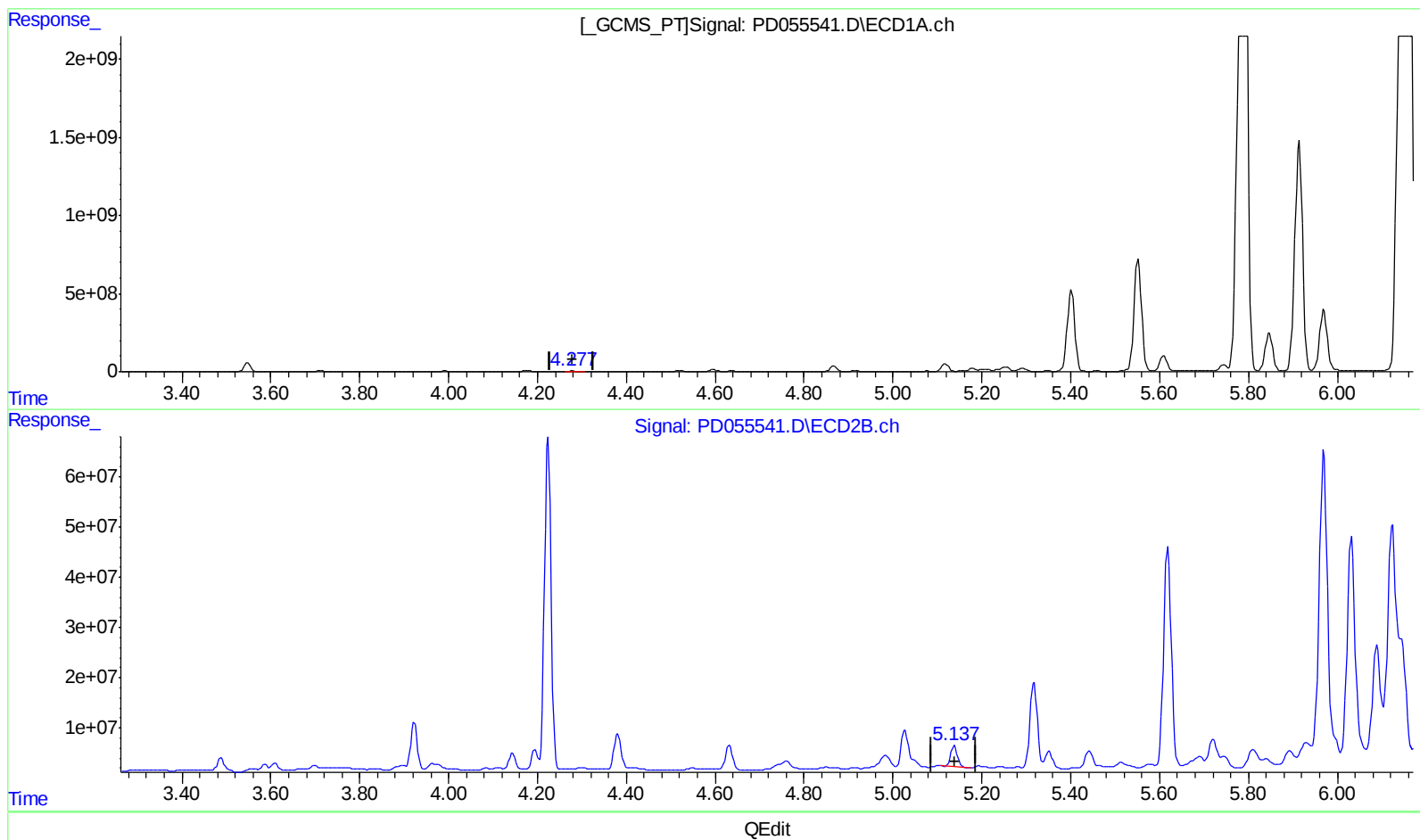
Manual Integrations
APPROVED

mohammad

10/25/2019 8:12:45 AM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 04:18:34 2019
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101819CLP.M
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Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(4) Heptachlor (MA)
4.278min 39.926 ng/ml
response 36330389

(4) Heptachlor #2 (MA)
5.138min 23.279 ng/ml
response 43411323

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102319\
Data File : PD055541.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2019 13:01
Operator : SG\AJ
Sample : K5482-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
C0AZ4MS

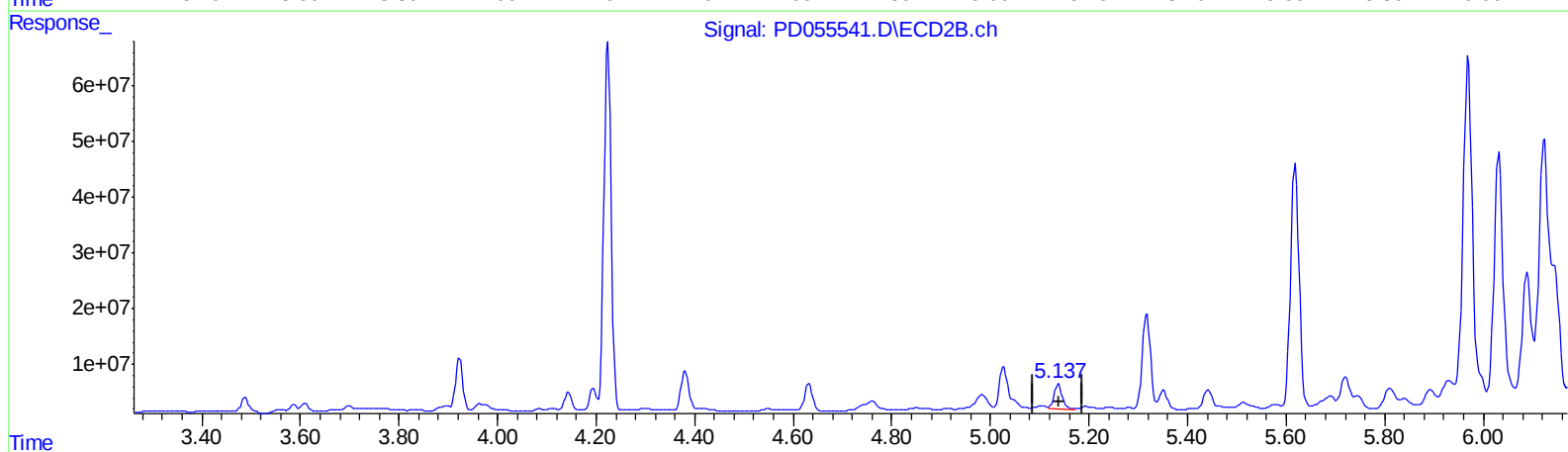
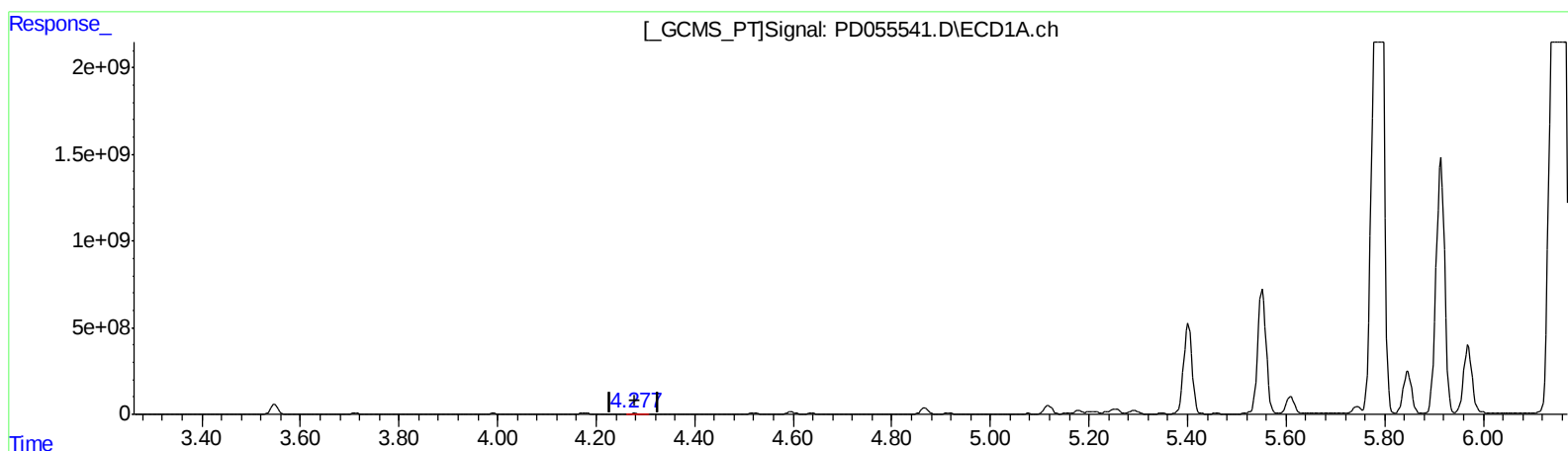
Manual Integrations
APPROVED

mohammad

10/25/2019 8:12:45 AM

Integration File signal 1: autoint1.e
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Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



QEdit

(4) Heptachlor (MA)

4.278min 39.926 ng/ml

response 36330389

(4) Heptachlor #2 (MA)

5.137min 27.249 ng/ml m

response 50814105

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102319\
Data File : PD055541.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2019 13:01
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Sample : K5482-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
C0AZ4MS

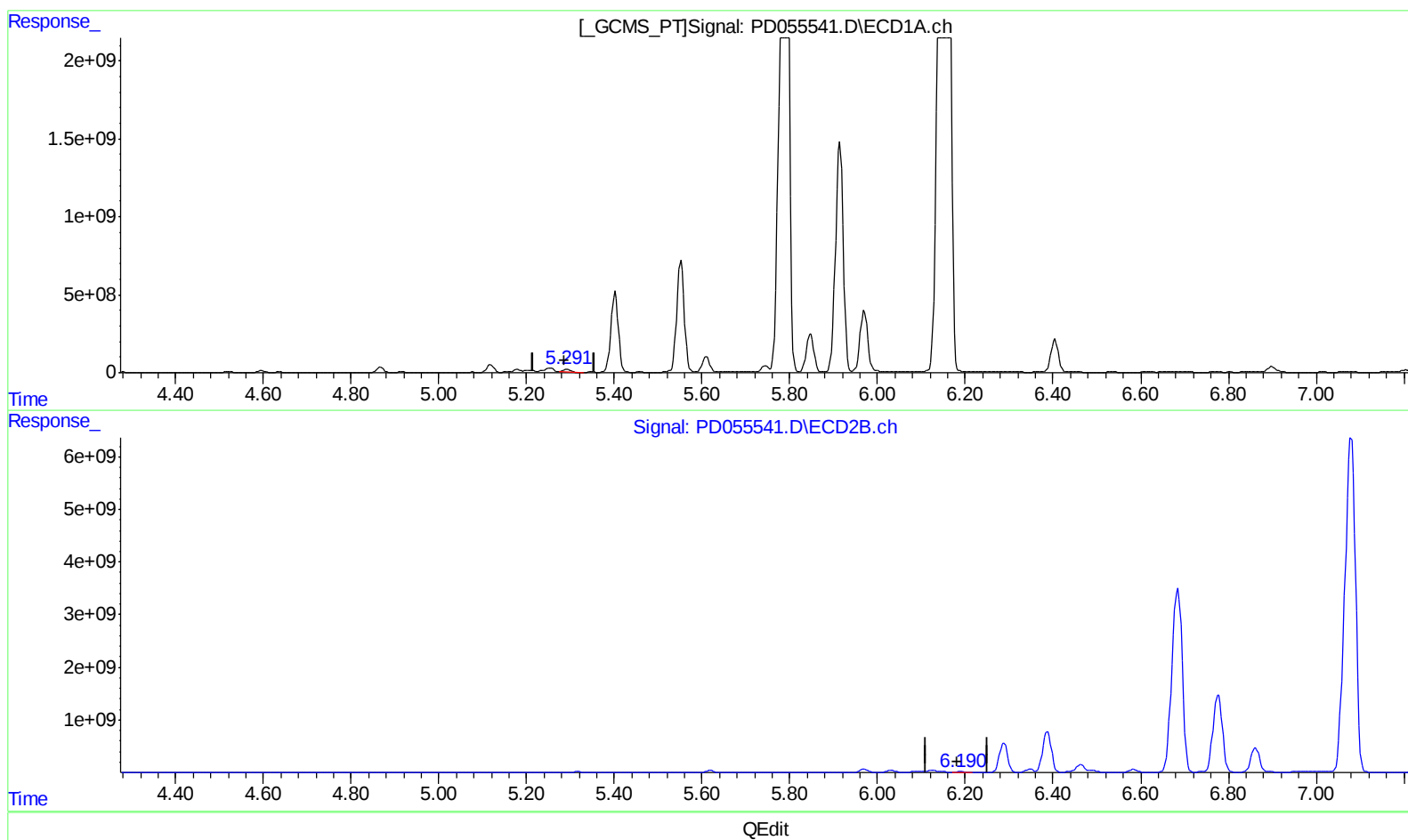
Manual Integrations
APPROVED

mohammad

10/25/2019 8:12:45 AM

Integration File signal 1: autoint1.e
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Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(9) Endosulfan I (A)
5.292min 188.491 ng/ml
response 181175120

(9) Endosulfan I #2 (A)
6.192min 87.994 ng/ml
response 144223669

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102319\
Data File : PD055541.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2019 13:01
Operator : SG\AJ
Sample : K5482-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
C0AZ4MS

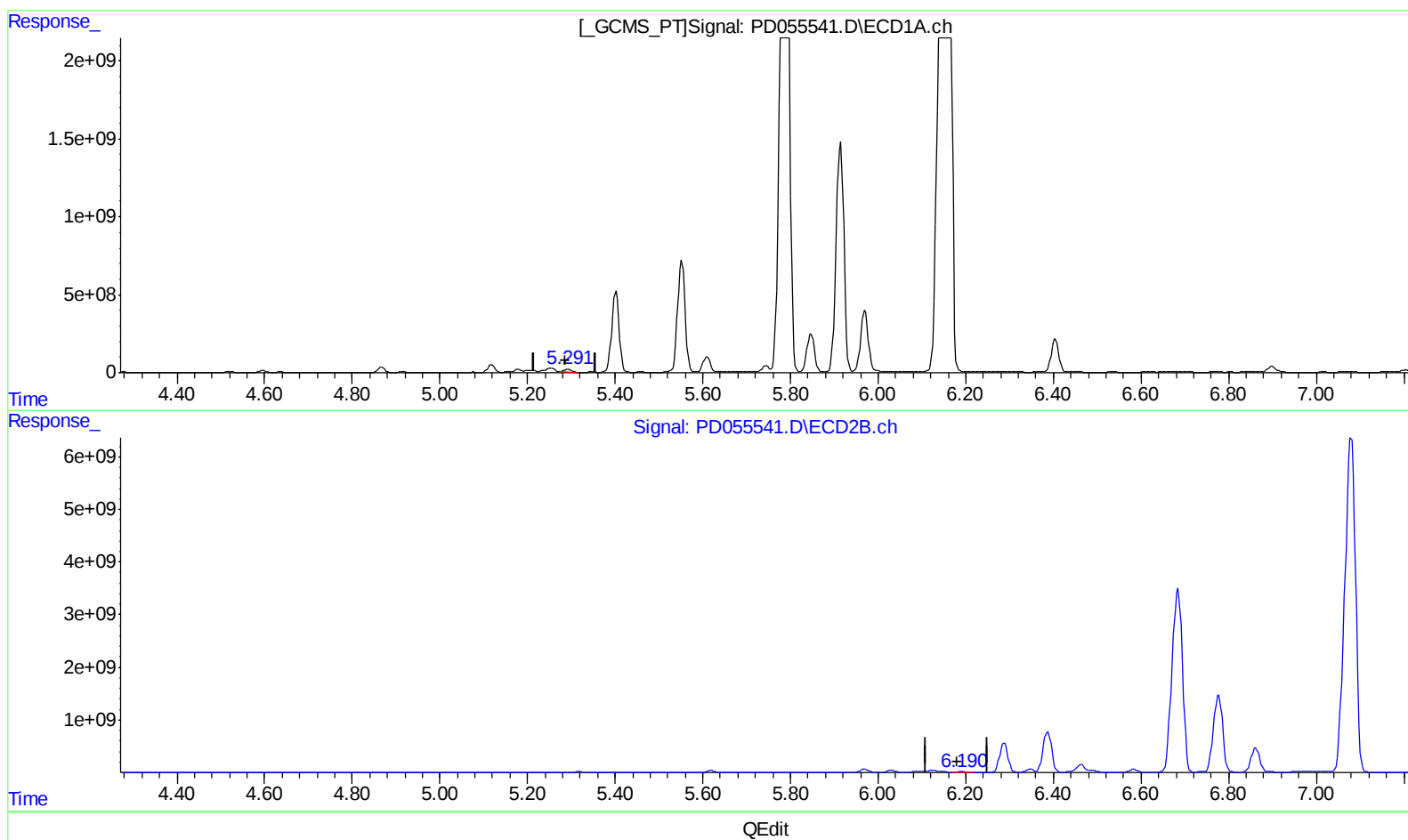
Manual Integrations
APPROVED

mohammad

10/25/2019 8:12:45 AM

Integration File signal 1: autoint1.e
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Quant Title : GC Extractables
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Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(9) Endosulfan I (A)
5.291min 228.954 ng/ml m
response 220067612

(9) Endosulfan I #2 (A)
6.192min 87.994 ng/ml
response 144223669

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102319\
Data File : PD055541.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
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Sample : K5482-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
C0AZ4MS

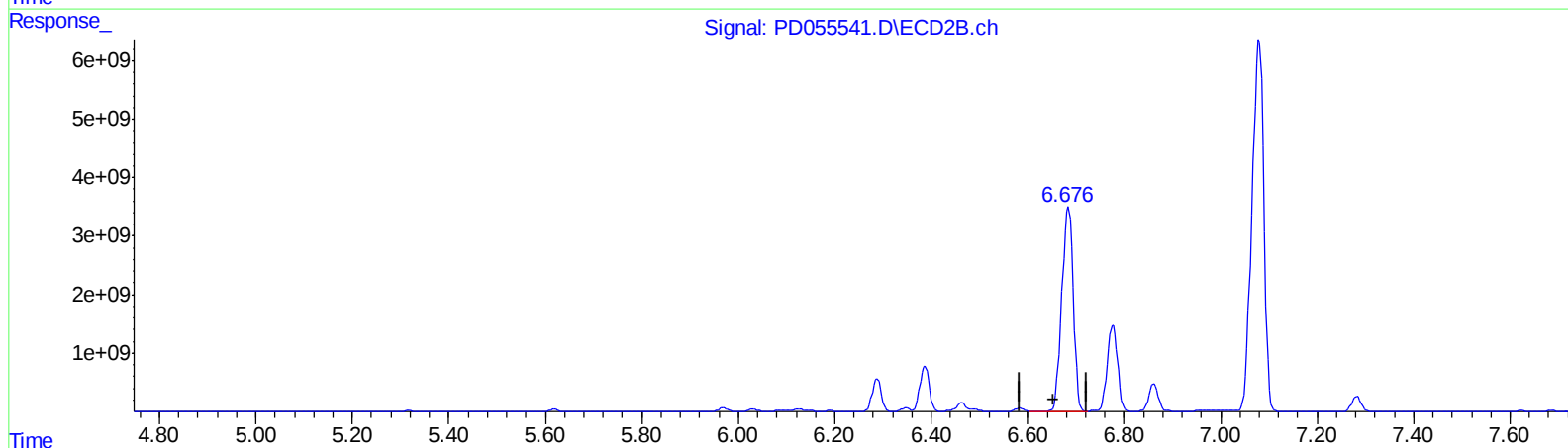
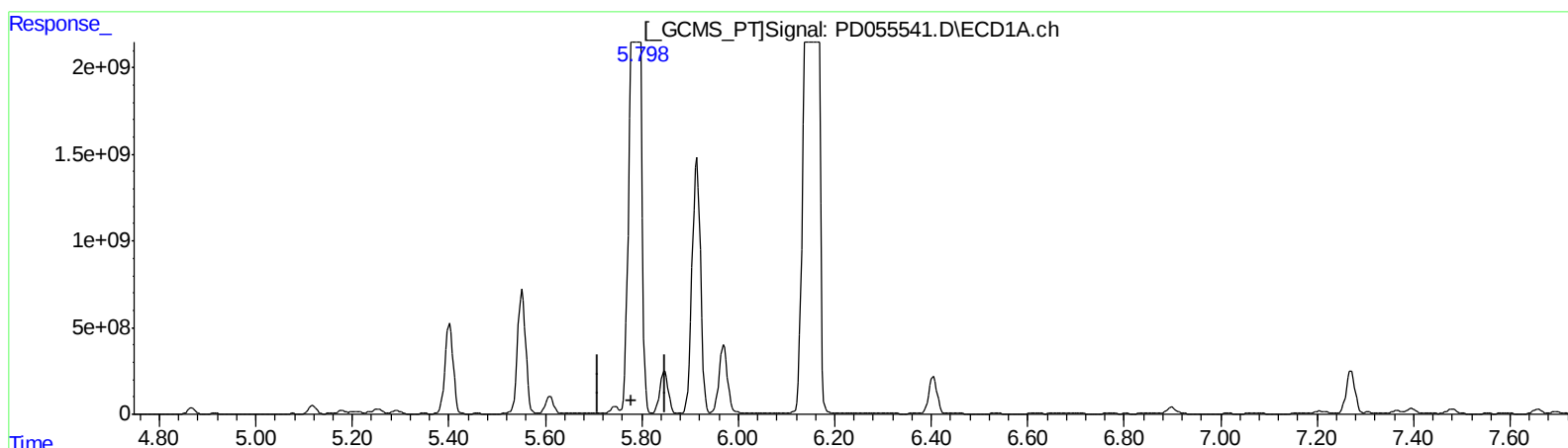
Manual Integrations
APPROVED

mohammad

10/25/2019 8:12:45 AM

Integration File signal 1: autoint1.e
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Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



QEdit

(14) Endrin (MA)

5.777min 41931.543 ng/ml

response 37558579154

(14) Endrin #2 (MA)

6.673min 27739.107 ng/ml

response 38745516857

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102319\
Data File : PD055541.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2019 13:01
Operator : SG\AJ
Sample : K5482-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
C0AZ4MS

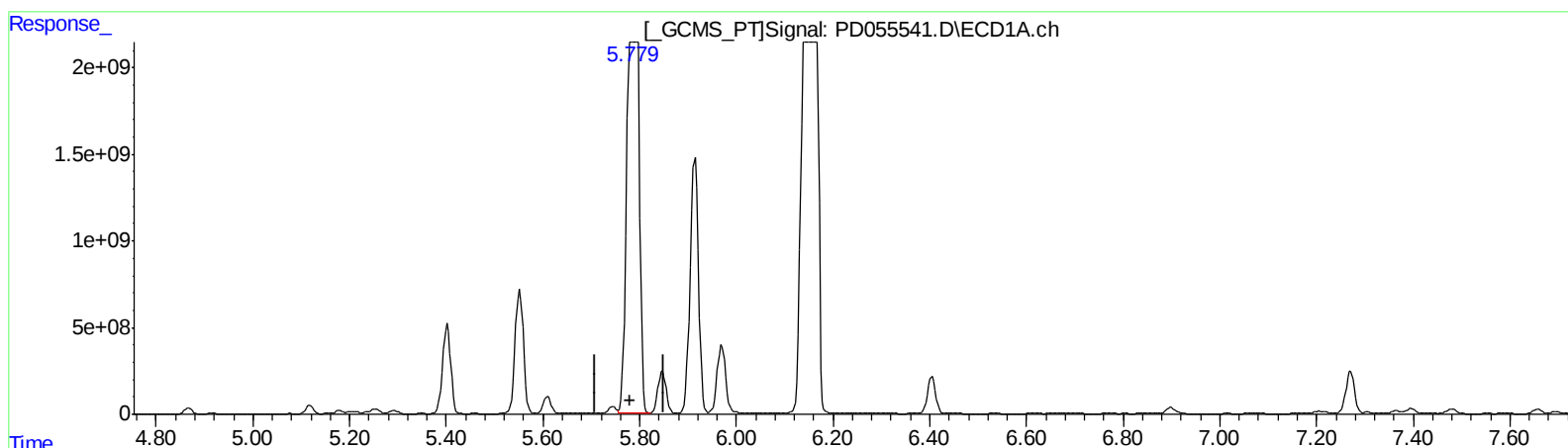
Manual Integrations
APPROVED

mohammad

10/25/2019 8:12:45 AM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(14) Endrin (MA)

5.779min 45371.169 ng/ml m

response 40639492263

(14) Endrin #2 (MA)

6.676min 33015.519 ng/ml m

response 46115520885

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102319\
Data File : PD055541.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2019 13:01
Operator : SG\AJ
Sample : K5482-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
C0AZ4MS

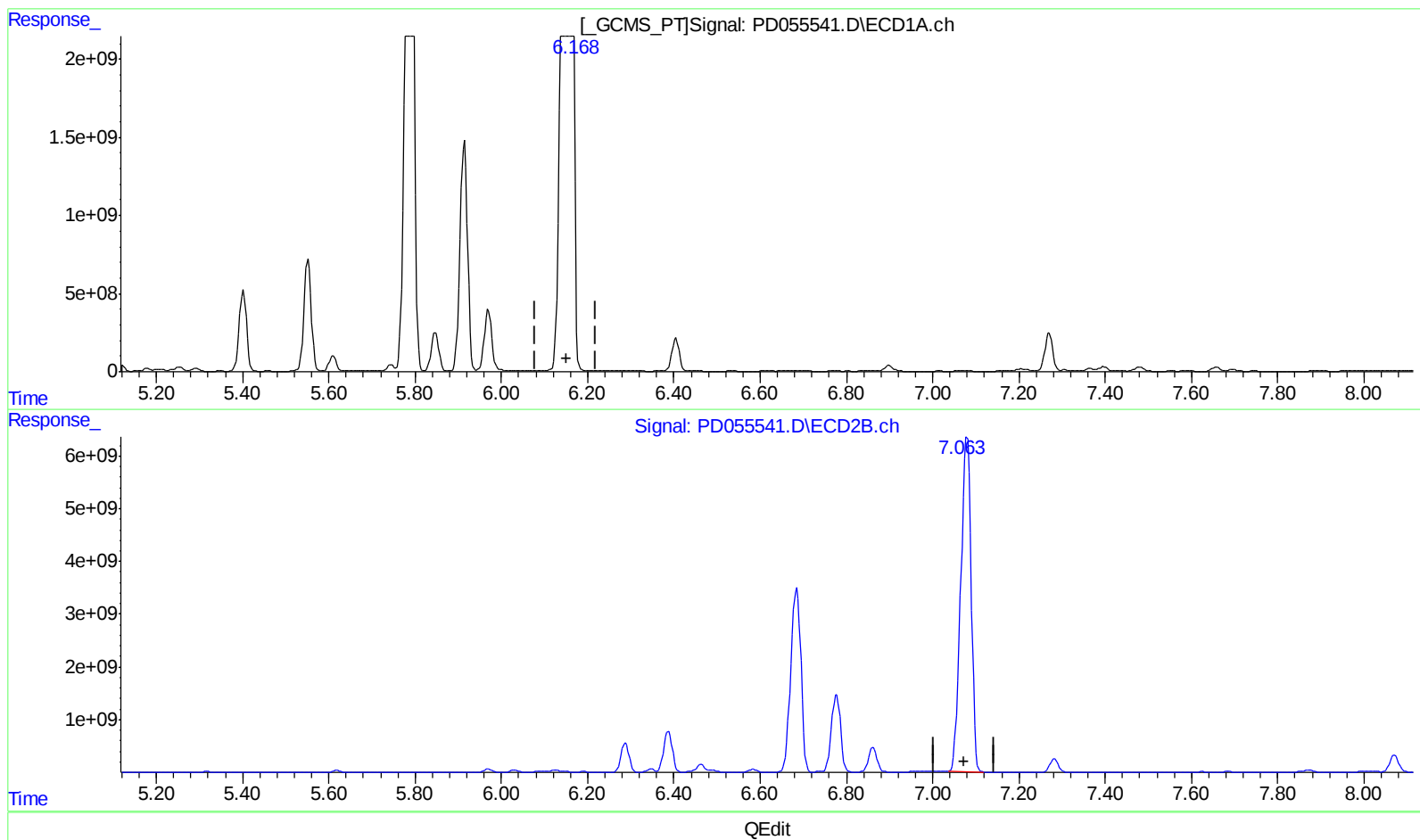
Manual Integrations
APPROVED

mohammad

10/25/2019 8:12:45 AM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101819CLP.M
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Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(17) 4,4'-DDT (MA)
6.150min 69286.535 ng/ml
response 46975623514

(17) 4,4'-DDT #2 (MA)
7.077min 33710.895 ng/ml
response 45692360058

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102319\
Data File : PD055541.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2019 13:01
Operator : SG\AJ
Sample : K5482-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
C0AZ4MS

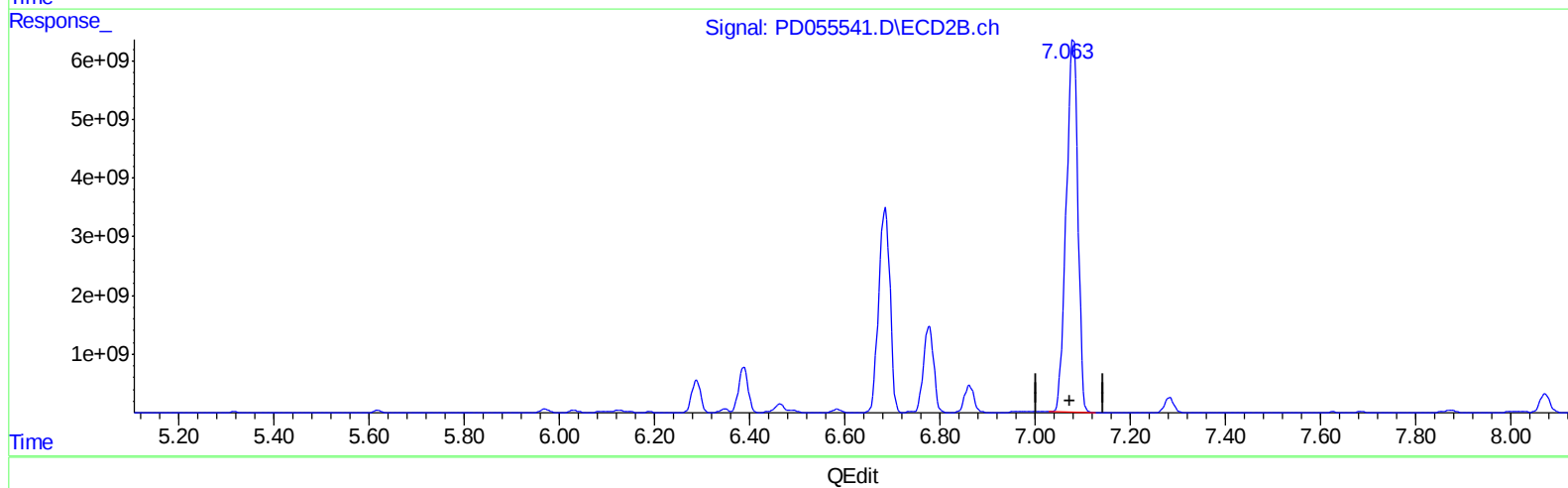
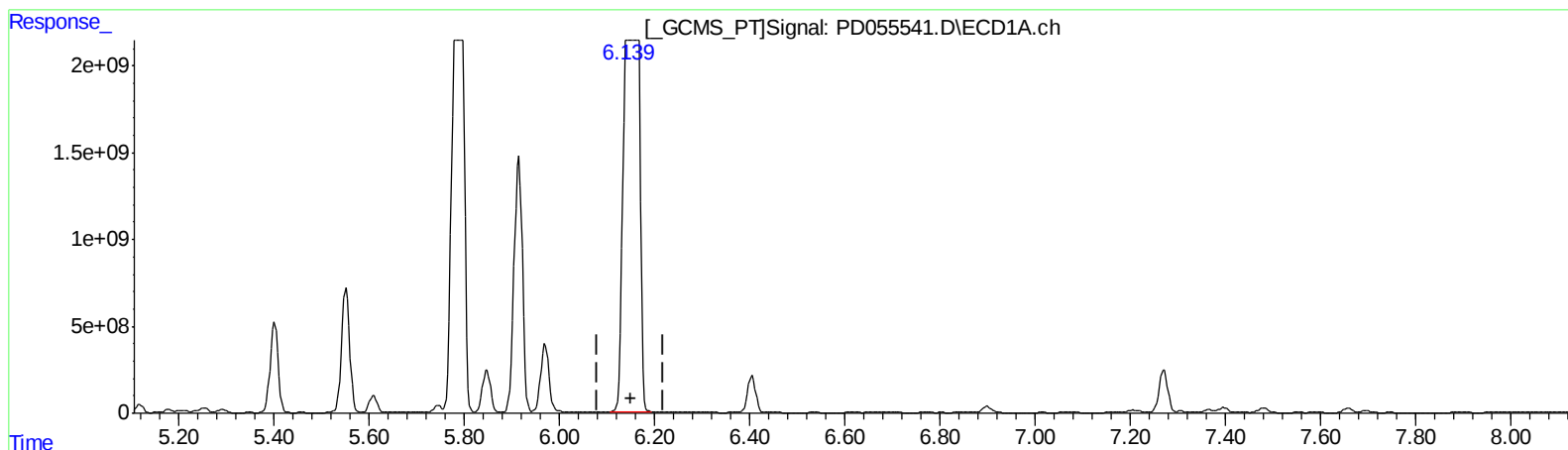
Manual Integrations
APPROVED

mohammad

10/25/2019 8:12:45 AM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(17) 4,4'-DDT (MA)

6.139min 77384.587 ng/ml m

response 52466027271

(17) 4,4'-DDT #2 (MA)

7.063min 41762.369 ng/ml m

response 56605474613

(+) = Expected Retention Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102319\
Data File : PD055541.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
C0AZ4MS

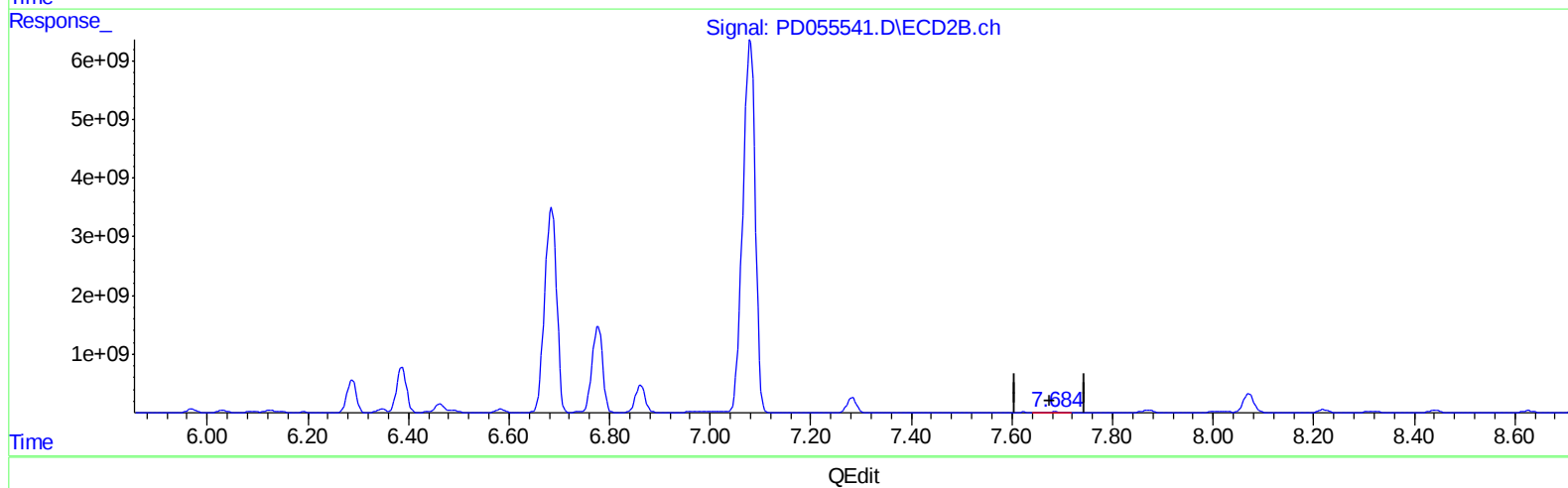
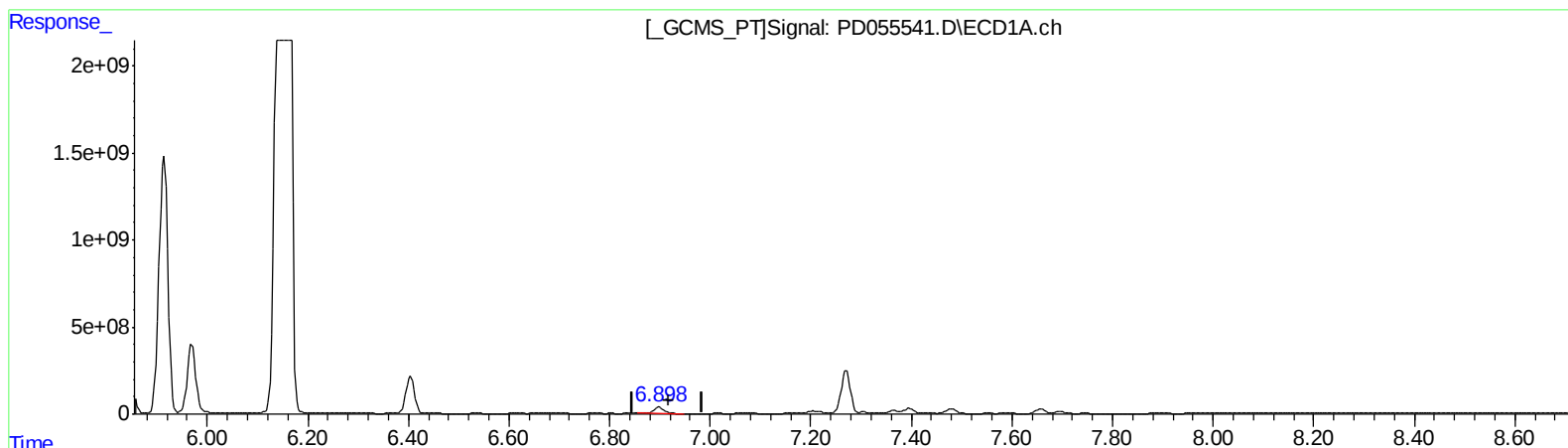
Manual Integrations
APPROVED

mohammad

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Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(21) Endrin ketone (B)

6.899min 535.561 ng/ml

response 523447729

(21) Endrin ketone #2 (B)

7.685min 88.651 ng/ml

response 141985254

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102319\
Data File : PD055541.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
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Operator : SG\AJ
Sample : K5482-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
C0AZ4MS

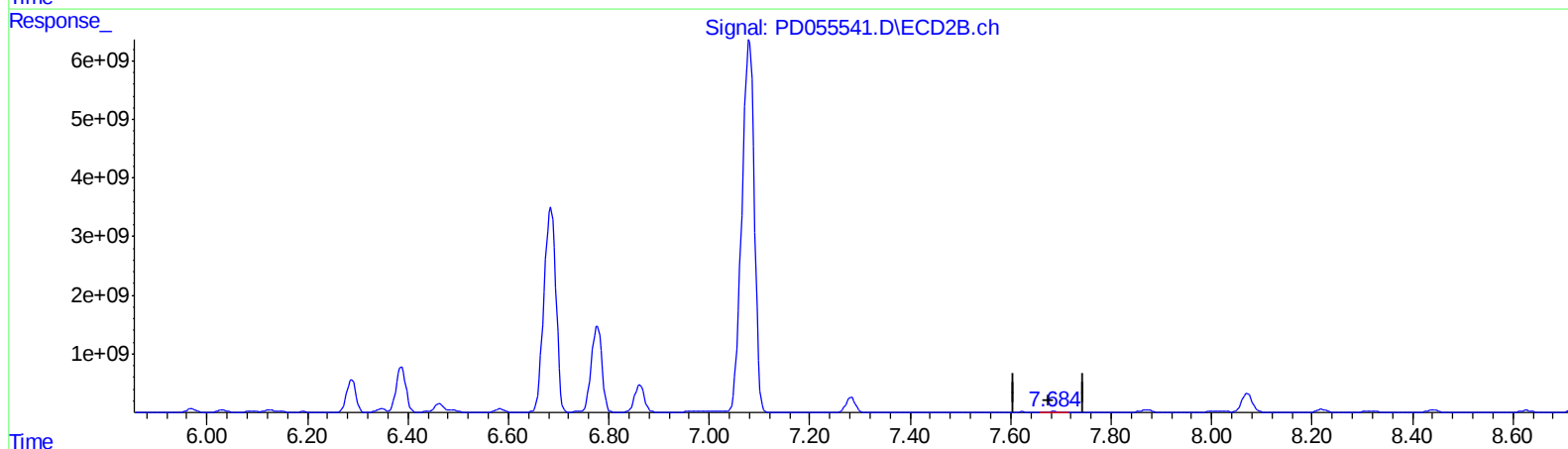
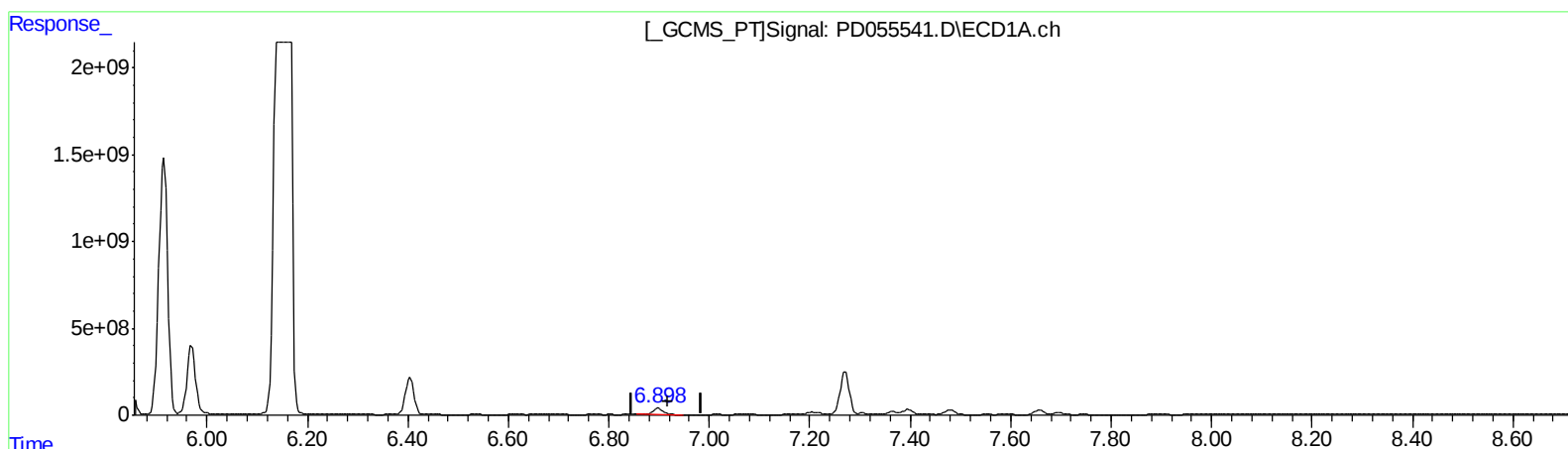
Manual Integrations
APPROVED

mohammad

10/25/2019 8:12:45 AM

Integration File signal 1: autoint1.e
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Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



QEdit

(21) Endrin ketone (B)

6.899min 535.561 ng/ml

response 523447729

(21) Endrin ketone #2 (B)

7.684min 91.628 ng/ml m

response 146753218

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102319\
Data File : PD055541.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2019 13:01
Operator : SG\AJ
Sample : K5482-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
C0AZ4MS

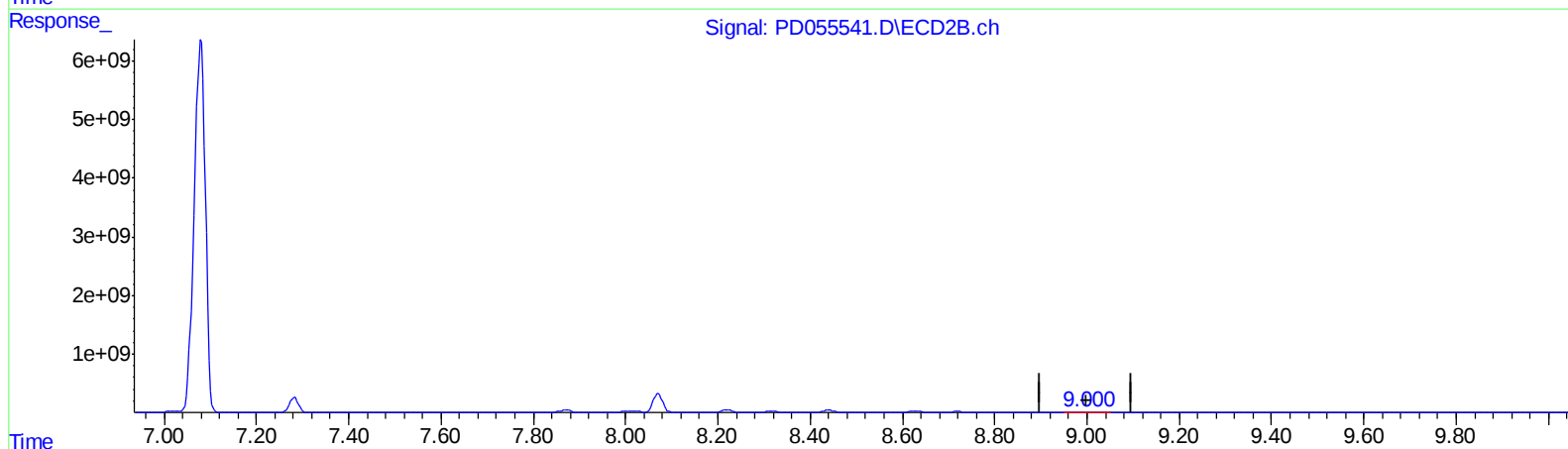
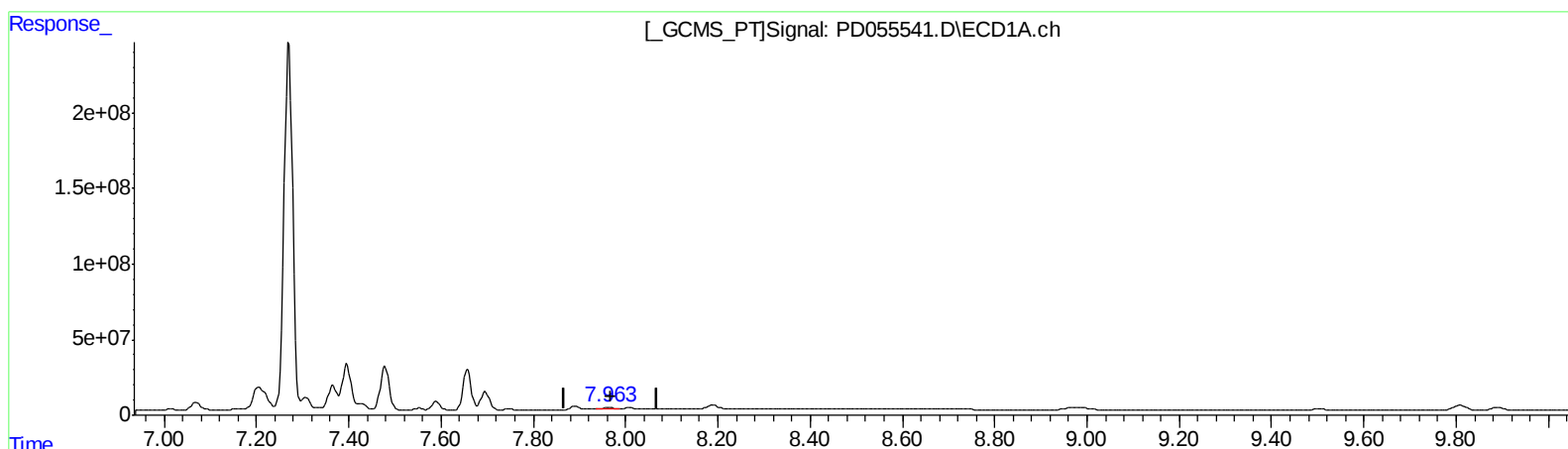
Manual Integrations
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mohammad

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Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



QEdit

(27) Decachlorobiphenyl (SA)

7.964min 16.654 ng/ml

response 15249637

(27) Decachlorobiphenyl #2 (SA)

9.001min 21.259 ng/ml

response 27738894

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102319\
Data File : PD055541.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
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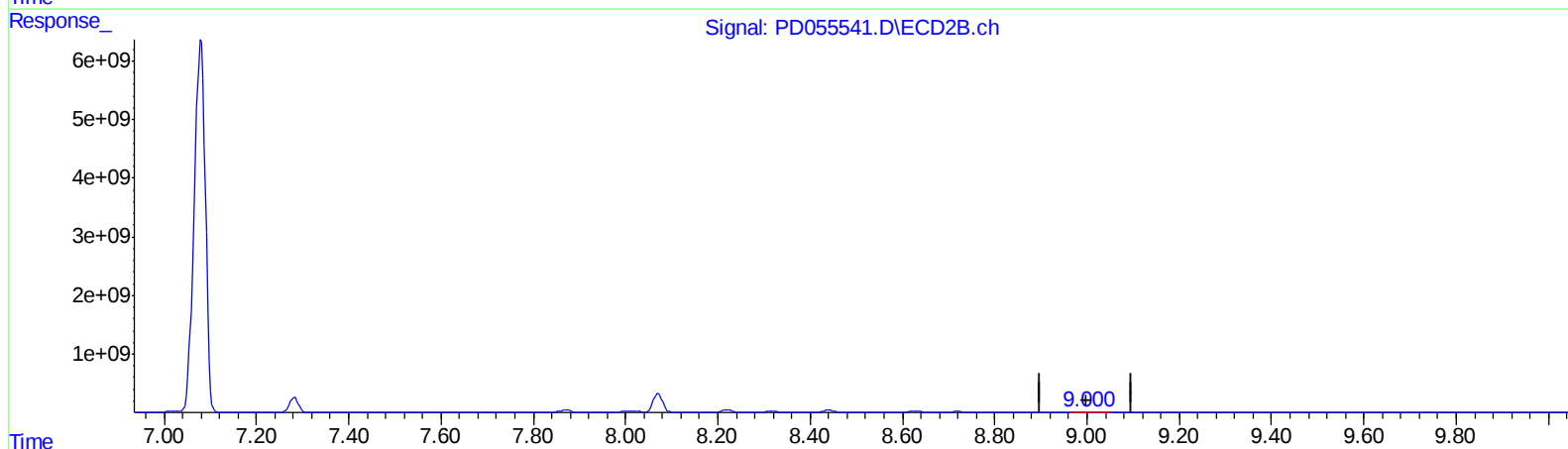
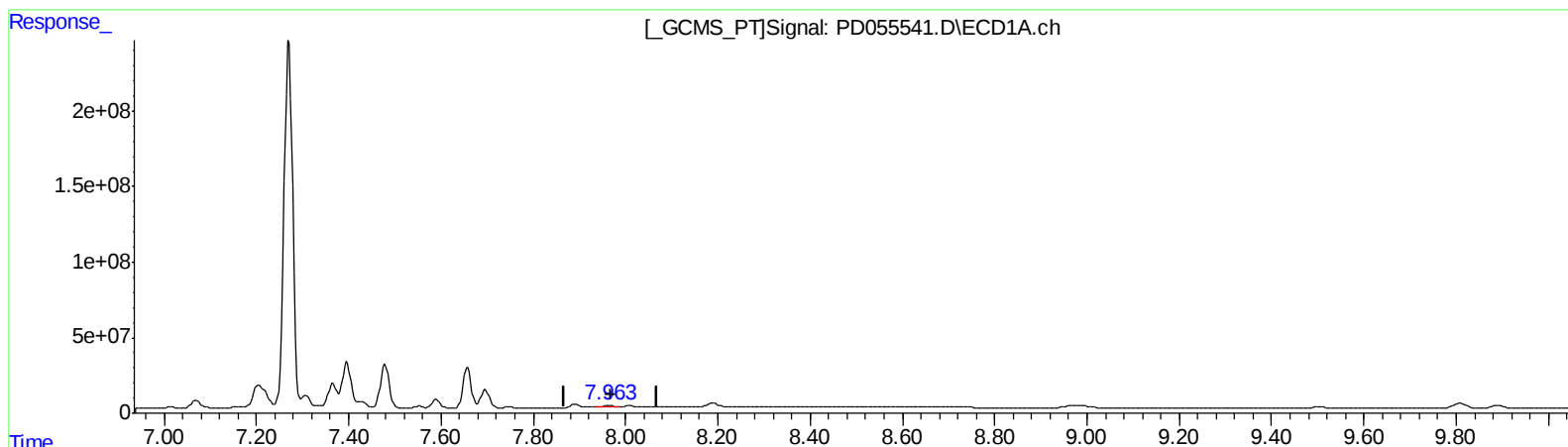
Manual Integrations
APPROVED

mohammad

10/25/2019 8:12:45 AM

Integration File signal 1: autoint1.e
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Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



QEdit

(27) Decachlorobiphenyl (SA)

7.964min 16.654 ng/ml

response 15249637

(27) Decachlorobiphenyl #2 (SA)

9.000min 29.067 ng/ml m

response 37926550

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102319\
 Data File : PD055541.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
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 Operator : SG\AJ
 Sample : K5482-02MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 C0AZ4MS

Manual Integrations
 APPROVED

mohammad

10/25/2019 8:12:45 AM

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Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
 Signal #1 Info : 30M x 0.32mm x 0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.288	3.962	12135391	14463966	13.611m	10.743m
27) SA Decachlor...	7.964	9.000	15249637	37926550	16.654	29.067m#
Target Compounds						
3) MA gamma-BHC...	3.993	4.632	35496716	50521935	29.955	27.399
4) MA Heptachlor	4.278	5.137	36330389	50814105	39.926	27.249m#
5) MB Aldrin	4.520	5.442	63945525	47029313	60.115	27.045 #
9) A Endosulfan I	5.291	6.192	220.1E6	144.2E6	228.954m	87.994 #
12) B 4,4'-DDE	5.402	6.288	6084.9E6	7399.9E6	5969.921	4388.716 #
13) MA Dieldrin	5.552	6.464	8525.6E6	2115.8E6	7692.881	1169.043 #
14) MA Endrin	5.779	6.676	40639.5E6	46115.5E6	45371.169m	33015.519m#
16) A 4,4'-DDD	5.913	6.773	14502.8E6	18158.3E6	17894.343	12692.650 #
17) MA 4,4'-DDT	6.139	7.063	52466.0E6	56605.5E6	77384.587m	41762.369m#
21) B Endrin ke...	6.899	7.684	523.4E6	146.8E6	535.561	91.628m#

A-J
 10/25/19

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.